Listing of Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1.   (Previously presented) A method for converting the bit rate of a compressed bitstream to use an available bandwidth of a channel, the method comprising:

re-quantizing a first portion of the bitstream that includes a B frame including video data using a first re-quantization scheme that does not decode the first portion into a pixel domain; and

re-quantizing a second portion of the bitstream that includes a P frame including video data or an I frame including video data using a second re-quantization scheme that includes full decoding and re-encoding of the second portion.

2.   (Cancelled)

3.   (Previously Presented) The method of claim 1 wherein the first re-quantization scheme includes basic re-quantization.

4.   (Previously Presented) The method of claim 1 wherein the compressed bitstream is an MPEG compressed bitstream.

5.   (Original) The method of claim 1 further including determining the available bandwidth of the channel.

6.   (Previously presented) The method of claim 1 wherein the second re-quantization scheme creates a new motion vector for the second portion of the bitstream.

7.   (Previously Presented) The method of claim 1 further including changing the resolution of the second portion.

8.   (Original) The method of claim 1 wherein the first and second portion each include a frame of the video data.

9.　　(Cancelled).

10.　　(Cancelled).

11.　　(Previously Presented)　The method of claim 1 wherein the first portion includes a P frame and the P frame is the last P frame in a group of pictures.

12.　　(Original)　The method of claim 1 wherein the first portion comprises color video data.

13.　　(Original)　The method of claim 1 wherein the second portion comprises brightness video data.

14.　　(Original)　The method of claim 1 wherein the first and second re-quantization schemes are performed in real time.

15.　　(Original)　The method of claim 1 further including monitoring the processing load of a processor in a network device.

16-25. (Cancelled)

26.　　(Previously presented)　A system for converting the bit rate of a compressed bitstream to use an available bandwidth of a channel, the system comprising:

　　　　means for re-quantizing a first portion of the bitstream that includes a B frame including video data using a first re-quantization scheme that does not decode the first portion into a pixel domain; and

　　　　means for re-quantizing a second portion of the bitstream that includes a P frame including video data or an I frame including video data using a second re-quantization scheme that includes full decoding and re-encoding of the second portion.

27.   (Previously Presented) The system of claim 26 wherein the means for re-quantizing the first portion is included in the means for re-quantizing the second portion.

28.   (Original) The system of claim 26 wherein the means for re-quantizing the first portion includes means for performing basic re-quantization.

29.   (Original) The system of claim 26 wherein the means for re-quantizing the second portion includes means for performing motion compensated re-quantization.

30.   (Currently Amended) A computer readable medium encoded with computer executable ~~including~~ instructions for converting the bit rate of a compressed bitstream to use an available bandwidth of a channel, the computer executable instructions comprising:

        instructions for re-quantizing a first portion of the bitstream that includes a B frame including video data using a first re-quantization scheme that does not decode the first portion into a pixel domain; and

        instructions for re-quantizing a second portion of the bitstream that includes a P frame including video data or an I frame including video data using a second re-quantization scheme that includes full decoding and re-encoding of the second portion.

31.   (Previously presented) An apparatus for converting the bit rate of a compressed bitstream, the apparatus comprising:

        memory,

        a processor coupled to memory, the processor configured to re-quantize a first portion of the bitstream that includes a B frame including video data using a first re-quantization scheme that does not decode the first portion into a pixel domain and re-quantize a second portion of the bitstream that includes a P frame including video data or an I frame including video data using a second re-quantization scheme that includes full decoding and re-encoding of the second portion.

32.   (Previously presented) The method of claim 1 wherein the second re-quantization scheme re-uses a motion vector for the second portion of the bitstream.

33.   (Withdrawn) A method for converting the bit rate of a compressed bitstream to use an available bandwidth of a channel, the method comprising:

re-quantizing a first portion of the bitstream that includes chroma video data using a first re-quantization scheme that does not decode the first portion into a pixel domain; and

re-quantizing a second portion of the bitstream that includes luma video data using a second re-quantization scheme that includes full decoding and re-encoding of the second portion.